

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v40)**

1. Factor the expression  $5x^2 - 38x - 16$

$$(5x + 2)(x - 8)$$

2. Factor the expression  $11x^2 - 95x + 56$

$$(11x - 7)(x - 8)$$

3. Factor the expression  $11x^2 - 49x - 30$

$$(11x + 6)(x - 5)$$

4. Factor the expression  $5x^2 + 16x + 3$

$$(5x + 1)(x + 3)$$

5. Factor the expression  $3x^2 + x - 10$

$$(3x - 5)(x + 2)$$

6. Factor the expression  $11x^2 + 7x - 4$

$$(11x - 4)(x + 1)$$

7. Factor the expression  $11x^2 + 29x - 12$

$$(11x - 4)(x + 3)$$

8. Factor the expression  $2x^2 - 7x - 15$

$$(2x + 3)(x - 5)$$

9. Factor the expression  $7x^2 + 69x + 54$

$$(7x + 6)(x + 9)$$

10. Factor the expression  $7x^2 - 10x + 3$

$$(7x - 3)(x - 1)$$